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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/749,955	12/31/2003	James Robert Clark	M02A474	8590
7590 03/07/2006		EXAMINER		
The BOC Group, Inc.			CINTINS, IVARS C	
	- Intellectual Property			
575 Mountain A	Ave.		ART UNIT	PAPER NUMBER
Murray Hill, NJ 07974			1724	

DATE MAILED: 03/07/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

				(1		
		Application No.	Applicant(s)			
Office Action Summary		10/749,955	CLARK ET AL.			
		Examiner	Art Unit			
_		Ivars C. Cintins	1724			
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet with the c	correspondence address			
WHIC - Exte after - If NC - Failu Any	CORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DAISSIDE OF THE MAILING THE MAI	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	N. nely filed the mailing date of this communicatio D (35 U.S.C. § 133).			
Status						
1)⊠	Responsive to communication(s) filed on 21 De	ecember 2005.				
2a) <u></u> □	This action is FINAL . 2b)⊠ This action is non-final.					
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
	closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.			
Dispositi	ion of Claims					
5)□ 6)⊠ 7)□	Claim(s) <u>1-29</u> is/are pending in the application. 4a) Of the above claim(s) <u>4,5 and 23-27</u> is/are vertical Claim(s) is/are allowed. Claim(s) <u>1-3,6-22,28 and 29</u> is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or	withdrawn from consideration.				
Applicati	ion Papers					
	The specification is objected to by the Examiner	-				
10)	The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the confidence of Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Example of the confidence of	epted or b) objected to by the lidrawing(s) be held in abeyance. See on is required if the drawing(s) is obj	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).		
Priority u	under 35 U.S.C. § 119					
a)[Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prioric application from the International Bureau see the attached detailed Office action for a list of	s have been received. s have been received in Application ity documents have been received (PCT Rule 17.2(a)).	on No ed in this National Stage			
Attachment	t(s)					
2) 🔲 Notico 3) 🔯 Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa				

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Applicant's election, <u>without traverse</u>, of **acetone** as the regeneration solution compound species and **isopropanol in water** as the diluent species is acknowledged. Claims 4,5 and 23-27 are withdrawn from further consideration, as being directed to a non-elected species.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-3, 9-11, 15, 16, 22 and 28 are rejected under 35 U.S.C. 102(e) as being clearly anticipated by Wang et al. (U.S. Patent No. 6,790,364). See col. 1, lines 29-30; col. 2, lines 51-53; and col. 3, lines 1-34.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 6-8, 12-14, 17-21 and 29 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wang et al. The reference discloses the claimed invention with the exception of the relative amounts of borane extracting compound and diluent present in the regeneration solution. However, it would have been obvious to one of ordinary skill in the art at the time the invention was made to employ a regeneration solution having the recited percentages of borane extracting compound and diluent in the reference process, since this reference discloses that the

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percentage of this borane extracting compound can vary greatly in the regeneration solution (see col. 3, line 33).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to I. Cintins whose telephone number is 571-272-1155. The examiner can normally be reached on Monday through Friday from 8:30 AM to 5:00 PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Duane Smith, can be reached at 571-272-1166.

The centralized facsimile number for the USPTO is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

> Ivars C. Cintins **Primary Examiner** Art Unit 1724

I. Cintins March 4, 2006